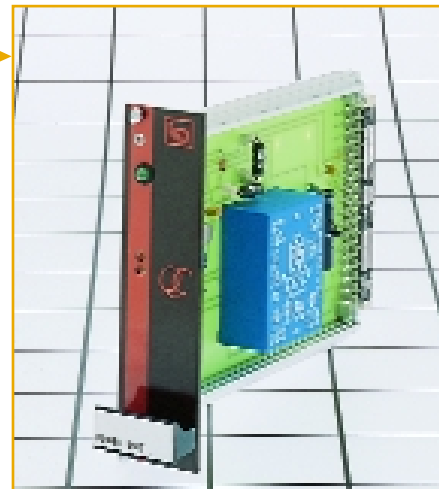


Stabilised Instrument Power Supply PU700

Function: The PU700 is a stabilised instrument power supply that will convert 120 Volts AC, 240 Volts AC 50/60 Hz or 24 Volt DC into a factory set DC Voltage output capable of sourcing 100mA. The output voltage can be factory set at a variety of levels from 5 Volt DC up to 24 Volt DC.

The PU700 has as standard a Remote Voltage Sensing capability to allow for voltage compensation when using extra long output cable lengths.



QC SERIES
CONVERTERS

SPECIFICATIONS

Please note that the following are typical ranges. We also manufacture instruments to cater for other ranges, within limitations detailed below.

OUTPUTS:

DC Voltage

| | |
|------------|------|
| 5 Volt DC | ±20% |
| 10 Volt DC | ±20% |
| 12 Volt DC | ±20% |
| 15 Volt DC | ±20% |
| 24 Volt DC | ±20% |

Range to be specified at time of order

DC Current

100mA maximum

Short Circuit Protection

Current Limiting

Foldback overload

Load Regulation

0.5% of nominal voltage for load currents up to 100mA

Remote Voltage Sensing

(4 wire output required)

Monitoring of the voltage output being supplied at the termination of the output cable. The PU700 then compensates for the voltage drop in the cable and ensures that the correct voltage is available at the far end of the output cable

SUPPLY:

Power Supplies

100 to 120 Volt 50/60 Hz
200 to 240 Volt 50/60 Hz
or 24 Volt DC with converter to maintain signal to power supply isolation

Power Required

6 Watts Maximum

Pilot Light

Green LED shows Power ON

GENERAL:

Temperature Coefficient

±0.1% of output/ Δ 10°C

Operating Temperature Range

0 to +50°C

Storage Temperature Range

-20 to +85°C

Operating Humidity Range

0 to 95% RH non-condensing

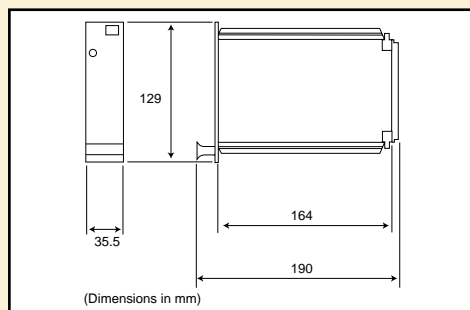
Storage Humidity Range

0 to 95% RH non-condensing

Weight

PU700 310 gms

MECHANICAL DETAILS



TERMINATION DETAILS

Termination details are dependent upon input type and upon type of housing chosen (19" rack or DIN rail mounting enclosure) and, if 19" rack, screw terminals or solder terminals. Further details upon request from our internal sales department.

ORDERING DETAILS

- (a) Give identification code, i.e. PU700
- (b) Give power supply voltage, i.e. 240 Volt 60 Hz
- (c) Give details of output voltage required, i.e. 24 Volt DC



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